

Title (en)

Performance and status monitoring in a computer network.

Title (de)

Leistungs und Zustandsüberwachung in einem Rechnernetz.

Title (fr)

Surveillance de la performance et de l'état dans un réseau d'ordinateurs.

Publication

EP 0666667 A3 19990623 (EN)

Application

EP 95300331 A 19950119

Priority

GB 9402380 A 19940208

Abstract (en)

[origin: EP0666667A2] Provided is a method and a system for computer network monitoring, implemented in a network in which processes communicate using message queuing. Each node of the network has a network management program installed thereon which includes two independent components: a Point Of Control (POC) program for initiating network tests by injecting a test message into the network and for receiving responses from all the nodes of the network; and a Network Test Program (NTP) for sending a reply message to the single POC for a particular test when the NTP receives test messages within that test, and for propagating the test by forwarding a message to all of the current node's adjacent nodes. Test results are analysed at the POC for display to the network administrator. Injected test messages propagate throughout the network in a self-exploring manner, exploiting the parallelism of the network. The individual nodes are not required to know the network topology other than to know their nearest neighbour nodes. <IMAGE>

IPC 1-7

H04L 12/26

IPC 8 full level

G06F 13/00 (2006.01); **H04L 12/26** (2006.01); **H04L 12/58** (2006.01)

CPC (source: EP US)

G06F 11/0715 (2013.01 - EP US); **H04L 43/50** (2013.01 - EP US)

Citation (search report)

- [X] EP 0352041 A2 19900124 - RACAL MILGO LTD [GB]
- [X] EP 0295461 A2 19881221 - IBM [US]
- [YA] US 5056085 A 19911008 - VU THU V [US]
- [DA] US 5095444 A 19920310 - MOTLES LUIS [US]
- [XAY] RODEHEFFER T L ET AL: "AUTOMATIC RECONFIGURATION IN AUTONET", OPERATING SYSTEMS REVIEW (SIGOPS), vol. 25, no. 5, 1 January 1991 (1991-01-01), pages 183 - 197, XP000288311
- [Y] COMER D.E.: "Interworking with TCP/IP", 1991, PRENTICE HALL, NEW JERSEY, XP002101514

Cited by

GB2420430A; EP0944289A3; EP1817855A4; GB2346774A; EP1358570A4; EP2951706A4; EP1921799A4; EP1931084A4; US9990244B2; WO2007025427A1; WO2006060491A2; US6563796B1; WO20061605A1; US7389341B2; US8769081B2; US9900226B2; US8176137B2; US10817361B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0666667 A2 19950809; EP 0666667 A3 19990623; GB 2286508 A 19950816; GB 9402380 D0 19940330; JP 2577540 B2 19970205; JP H07225726 A 19950822; US 5627766 A 19970506

DOCDB simple family (application)

EP 95300331 A 19950119; GB 9402380 A 19940208; JP 29522894 A 19941129; US 36807595 A 19950103